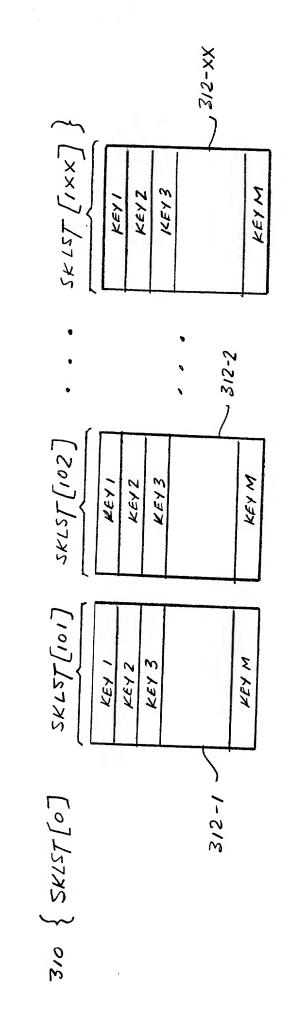


F1G. 2

300



7/6, 3

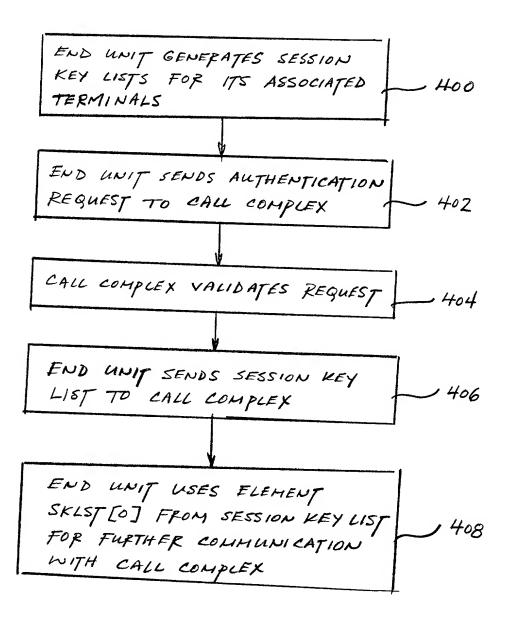


FIG. 4

End Unit	End Unit _{Session Key} = Random() ESKe = Encrypt (End Unit _{Session Key}) End Unit _{Private Key} EEUIDe = Encrypt (End Unit Identification) Call Complex _{Public Key} SendAuthenticationReq(EEUIDe. FSKe)		SKLSTe = Encrypt(GenerateSessionKeyListForEndUnit())End Unit Session Key SendSessionKeyList(SKLSTe)	End Unit Session Key =SKLST[0]
Call Complex	*	Identify Request (Validate request; if it is not valid, drop it) End Unit Identification = Decrypt(EEUIDe) Call Complex private Key If (End Unit Identification) exists get End Unit public Key End Unit Session Key = Encrypt (End Unit Session Key) End Unit public Key ACKe = Encrypt(ACK) End Unit Session Key CreateSessionInformation(IP Address, End Unit Identification) SendRegistrationAcknowledgment(ACKe)		SKLST = Decrypt(SKLSTe) End Unit session key = SKLST[0] ACKe = Encrypt(ACK) End Unit session key SendSessionKeyListAcknowledgment(ACKe)

716,5

Call Complex		End Unit 1
	+	CallRequestTo(Extension 201, Extension 105) End Unit Session Key
If incoming Request IP Address not registered, drop the request End Unit session Key = Find Session Key for IP(Request IP Address) Call Request Data = Decrypt (Incoming Buffer) End Unit session Key If Plaintext Buffer does not contain End Unit Registration name, drop the request		
Call Complex		End Unit 2
EUEUSK = SKLST[105] Message Key = get_key_for_extension(201) SendIncommingCallRequest(Encrypt (oIP,201,105,EUEUSK) Message Key)	↑	
	\	If Incoming Request IP Address not Call Complex, drop the request Plaintext Buffer = Decrypt(Incoming Buffer) End Unit Session Key If Plaintext Buffer does not contain End Unit Registration name, drop the request Set EUEUSK.
End Unit 1		End Unit 2
SendVoicePacket(Encrypt(Plaintext Buffer) EUEUSK) ReceiveVoicePacket(Decrypt(Incoming Buffer)) EUEUSK)	‡	ReceiveVoicePacket(Decrypt(Incoming Buffer)) EUEUSK) SendVoicePacket(Encrypt(Plaintext Buffer) EUEUSK)

716,6A

ConfRequestTo(Extension 311, Extension 105) End Unit session Key	Call Complex
	If incoming Request IP Address not registered, drop the request
	End Unit session key = Find Session Key for IP(Request IP Address) Call Request Data = Decrypt (Incoming Buffer) End Unit session Key If Incoming Buffer does not contain End Unit Registration name, drop the request
End Unit 3	Call Complex
+	EUEUSK = SKLST[105] Message Key = get_key_for_extension(311) SendIncommingConfRequest(Encrypt (oIP, 511, 105, EUEUSK) Message key)
If Incoming Request IP Address not Call Complex, drop the request Buffer = Decrypt(Incoming Buffer) End Unit Session Key If Plaintext Buffer does not contain End Unit Registration name, drop the	
request Set EUEUSK SendConfAcceptedInformation(RTP info) Unit _{Session Key}	
End Unit 3	End Unit 1
SendVoicePacket(Encrypt(Plaintext Buffer) EUEUSK) ReceiveVoicePacket(Decrypt(Incoming Buffer)) EUEUSK)	ReceiveVoicePacket(Decrypt(Incoming Buffer)) EUEUSK) SendVoicePacket(Encrypt(Plaintext Buffer) EUEUSK)
End Unit 3	End Unit 2
SendVoicePacket(Encrypt(Plaintext Buffer) EUEUSK) ReceiveVoicePacket(Decrypt(Incoming Buffer)) EUEUSK)	ReceiveVoicePacket(Decrypt(Incoming Buffer)) EUEUSK) SendVoicePacket(Encrypt(Plaintext Buffer) EUEUSK)

716,6B

	1	T	T
Call Complex	If Incoming Request IP Address not registered, drop the request End Unit session key - Find Session Key for IP(Request IP Address) Call Request Data = Decrypt (Incoming Buffer) End Unit session key If Plaintext Buffer does not contain End Unit Registration name, drop the request	Call Complex	DropSession(Extension 311) End Unit Session Key
	↑		\
End Unit 1	DropSession(Extension 311) End Unit session Key	End Unit 3	CleanŲp()

716,6C

End I Init 2	en that all a site that	n e
	+	1 W X
		Message Key = get_key_for_extension(201) SendNewSessionKeyRequest(Encrypt (oIP,201,105, EUEUSK) Message key)
If incoming Request IP Address not Call Complex, drop the request Plaintext Buffer = Decrypt(Incoming Buffer) End Unit session Key If Plaintext Buffer does not contain End Unit Registration name, drop the		
request Set EUEUSK to EUEUSK-NEW SendConfForNewSessionKeyRequest() Unit session Key	:	
End Unit 1		End Unit 2
SendVoicePacket(Encrypt(Plaintext Buffer) eveusk-new) ReceiveVoicePacket(Decrypt(Incoming Buffer)) eveusk-new)	‡	ReceiveVoicePacket(Decrypt(Incoming Buffer)) EUEUSK-NEW) SendVoicePacket(Encrypt(Plaintext Buffer) EUEUSK-NEW)
End Unit 1		End Unit 2
EndOfSession(Encrypt(Plaintext Buffer) eueusk-new)	↑	CleanUp()
Call Complex		End Unit 1
	\	End Unit 105 session key = Random() // Create a new session key for 105 EUSKe = Encrypt (EUSN, End Unit 105 session key) End Unit Private key SendSessionKey(EUSKe)
If incoming Request IP Address not registered, drop the request End Unit session Key.—Find Session Key for IP(Request IP Address) Call Request Data = Decrypt (Incoming Buffer) End Unit session Key If Plaintext Buffer does not contain End Unit Registration name, drop the		
request Update SKLST[105] = End Unit 105 session Key // This is a stack operation; new key is first available key in the stack		
	\	End Unit 105 session key = Random() // Create a second new session key for 105 EUSKe = Encrypt (EUSN, End Unit 105 session key) End Unit Private Key SendSessionKey(EUSKe)
If incoming Request IP Address not registered, drop the request End Unit session key. Find Session Key for IP(Request IP Address) Call Request Data = Decrypt (Incoming Buffer) End Unit session key If Plaintext Buffer does not contain End Unit Registration name, drop the		
request Update SKLST[105] = End Unit 105 session κ_{ey} // This is a stack operation; new key is first availible key in the stack		

716.6D